



Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

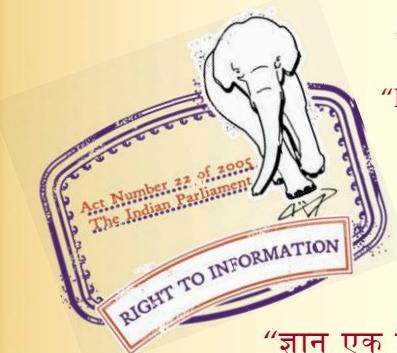
“Step Out From the Old to the New”

IS 5008-1 (1987): Data Sheet for Industrial Towing Trucks,
Part 1: I.C. Engine Powered [TED 23: Industrial Trucks]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaran Gangaram Pitroda

Invent a New India Using Knowledge



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



BLANK PAGE



PROTECTED BY COPYRIGHT

*Indian Standard***DATA SHEET FOR INDUSTRIAL TOWING TRUCKS****PART 1 I.C. ENGINE POWERED***(First Revision)*

1. Scope — Lays down the data required for the selection of I.C. engine powered industrial towing trucks.

2. Terminology — For the purpose of this standard, the following definitions shall apply.

2.1 Industrial Towing Trucks — A self-propelled industrial truck with solid or pneumatic tyres, with three or more wheels, with front or rear drive wheels, intended for towing or shunting one or several non-powered trucks or trailers inside or outside buildings and occasionally on public roads.

2.2 Drawbar Pull — The drawbar pull measured on a smooth, dry and horizontal concrete surface, with a horizontal towbar in the longitudinal axis of the vehicle, after progressive acceleration, and with a driver weighing 70 kg in the case of sit-on or stand-on tractor.

2.2.1 The drawbar pull shall be given for a tractor equipped with solid tyres or with pneumatic tyres inflated to the pressure specified by the tractor manufacturer.

3. Data Sheet**3.1 Application and Site Data** — (To be furnished by the users)

- a) Hours per shift..... h
- b) Shifts per day.....
- c) Days per week.....
- d) Temperature : Max..... °C; Min..... °C
- e) Altitude..... m, above mean sea level
- f) Relative humidity, Max at..... °C %

3.2 Engine

- a) Make, model.....
- b) Type
- c) Cooling system Air Cooled/Water Cooled
- d) Gross power..... kW at..... rpm
- e) Fly wheel power..... kW at..... rpm
- f) Maximum torque..... Nm at..... rpm
- g) No. of cylinders.....
- h) Bore..... mm
- j) Displacement.....
- k) Type of fuel used
- m) Type of fuel pump
- n) Oil specification

3.3 Transmission

- a) Model.....
- b) Type
- c) Converter/clutch

Adopted 27 October 1987

© July 1988, BIS

Gr 2

i : 5008 (Part 1) - 1987

d) Speed in kmph (Unladen)
 1) Forward speed.....
 2) Reverse speed

e) Neutral start provision..... Yes/No
 f) Controls..... Single/Multi-lever

.4 Maximum Drawbar Pull.....N

3.4.1 Sustained drawbar pull.....N

3.4.2 Height of coupling.....mm

.5 Braking

- a) Type (drum/disc, wet/dry, hydraulic).....
 b) Actuating system (hydraulic/mechanical).....
 c) Operation of brake (hand operated/foot operated).....
 d) No. of levers/pedals.....

.6 Steering

- a) Type (mechanical/power assisted).....
 b) Power pump.....
 c) Actuator details.....

.7 Electrical System

- a) Starting, Type..... Voltage.....V
 b) Battery, Type..... Capacity.....Ah
 c) Lighting.....
 d) Charging: Type (Alternate/Dynamo).....

.8 Tyre

TYPE OF TYRE				
	Solid Rubber	Pneumatic Shaped Resi.	Pneumatic	Any Other Type
a) No. of wheels (driving)
b) No. of wheels (steering)
c) Tyre size
d) Rim size

3.9 Oil

	Oil Capacity (litre)	Type of Oil
a) Fuel tank
b) Engine crank case
c) Final drive
d) Torque converter
e) Transmission
f) Steering
g) Differential

AMENDMENT NO. 1 OCTOBER 1988

TO

**IS : 5008 (Part 1) - 1987 DATA SHEET FOR INDUSTRIAL
TOWING TRUCKS**

PART 1 I. C. ENGINE POWERED

(First Revision)

(Page 2, clause 3.8) — Substitute the following for the existing clause:

3.8 Tyre

NUMBER/SIZE	TYPE OF TYRE			
	Solid Rubber	Pneumatic Shaped Resilient	Pneumatic	Any Other Type
No. of wheels (driving)				
No. of wheels (steering)				
Tyre size				
Rim size				

k.10 Dimensions

- a) Overall length.....mm
- b) Overall width.....mm
- c) Height.....mm
- d) Minimum ground clearance.....mm
- e) Wheel base
- f) Wheel track
 - 1) Front.....
 - 2) Rear.....
- g) Turning radius
- h) Angle of approach and departure.....

3.11 Mass of Base Machine (Without any Attachment).....kgs

3.12 Standard Equipment.....

3.13 Optional Attachments.....

3.14 Other Attachments.....

3.15 Gauges and Indicators

3.16 Truck Provided with Overhead Canopy..... Yes/No

EXPLANATORY NOTE

This standard was first published in 1969. This revision includes some additional information which may be used by the manufacturer and purchaser alike for giving details of the equipment to be manufactured by the manufacturer or required by the purchaser.

This standard is being issued in the following two parts:

Part 1 I.C. engine powered

Part 2 Electric engine powered